Applicants: Chris E. Matichuk and Scott A. Rosenberg

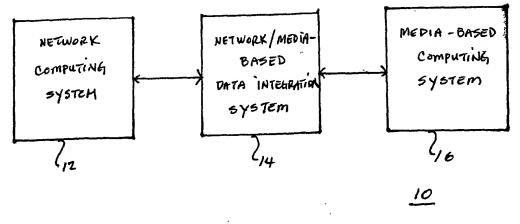
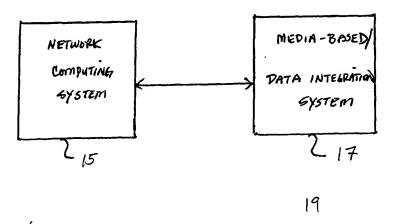
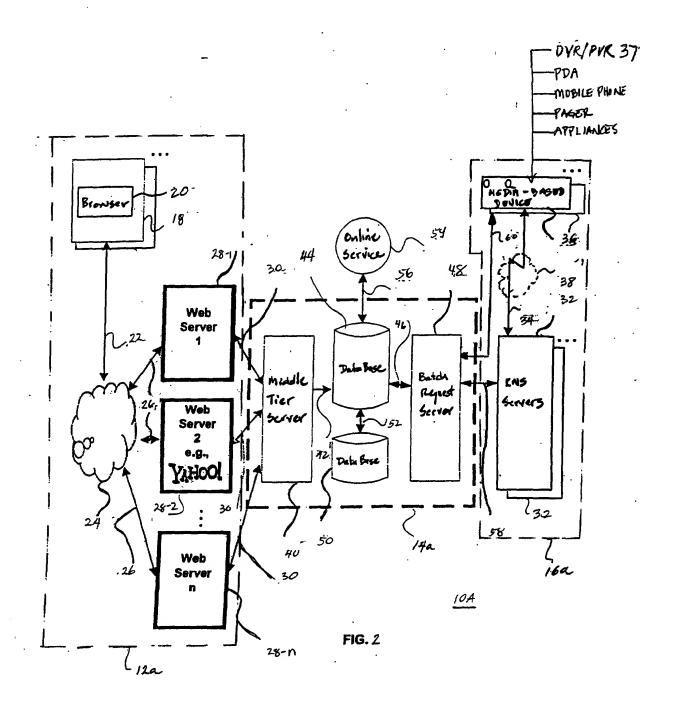


FIG. IA

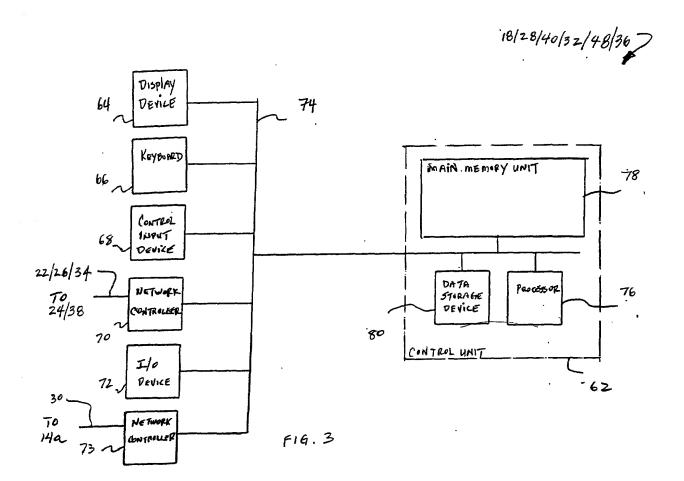


F19.18

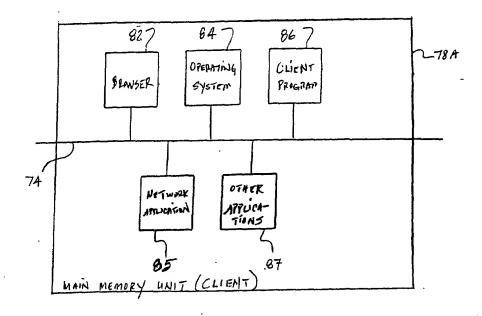
Applicants: Chris E. Matichuk and Scott A. Rosenberg



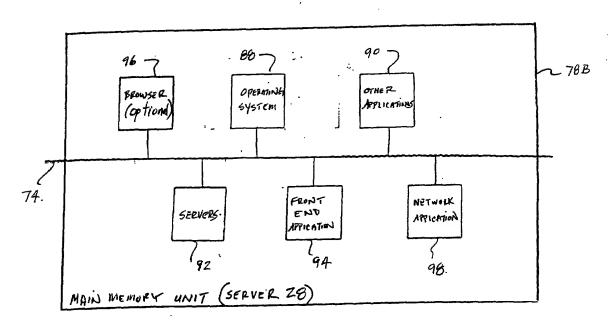
Applicants: Chris E. Matichuk and Scott A. Rosenberg



Applicants: Chris E. Matichuk and Scott A. Rosenberg



F14. 4A

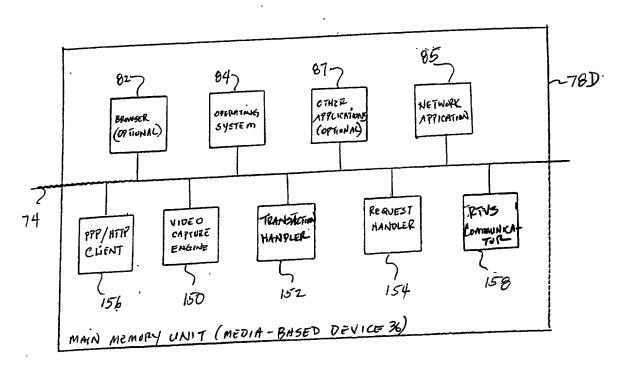


F16.4B

Applicants: Chris E. Matichuk and Scott A. Rosenberg Docket No.: 22407-05676US

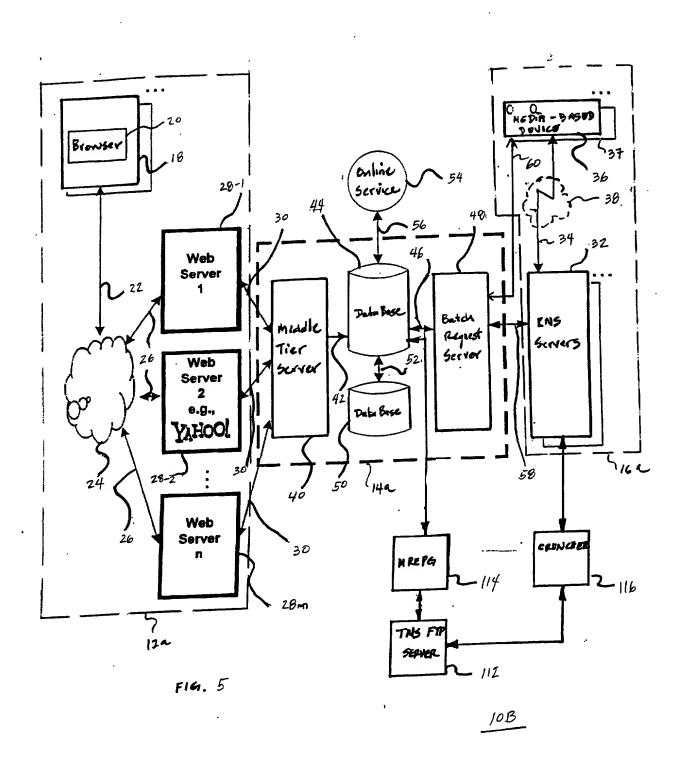
907 106 88 110-78C OTHER MRTV JAVA 05 ATPLICATION DATH API APPLETS (e.g. UNIX BASE INTERFACE NETWIRK 74 JAVA J57 041 wëb Së RVER APPLICAM SERVLETS SCRIPT (104 98 Lioo MAIN MEMORY UNIT (MIDDLE TIER SERVER 40)

F16, 4C.

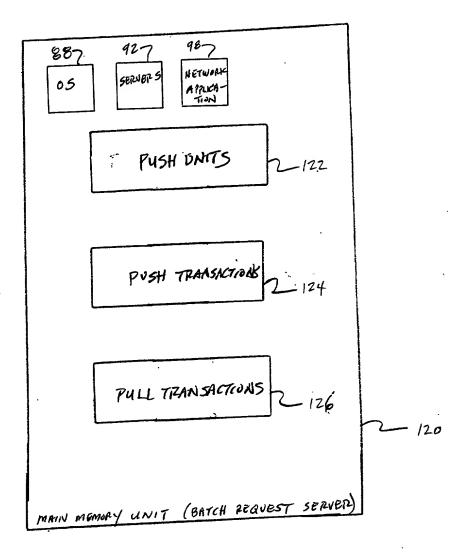


F16.4D

Applicants: Chris E. Matichuk and Scott A. Rosenberg Docket No.: 22407-05676US

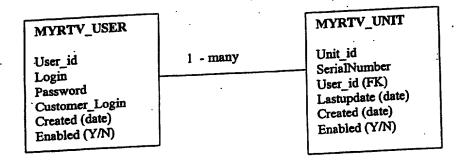


Applicants: Chris E. Matichuk and Scott A. Rosenberg



F161. 6

Applicants: Chris E. Matichuk and Scott A. Rosenberg



F16, 7

Applicants: Chris E. Matichuk and Scott A. Rosenberg

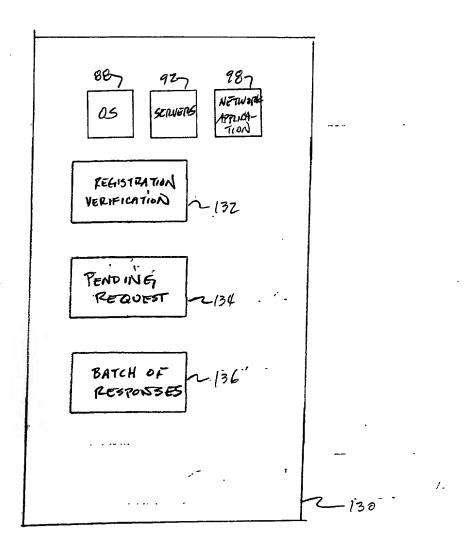
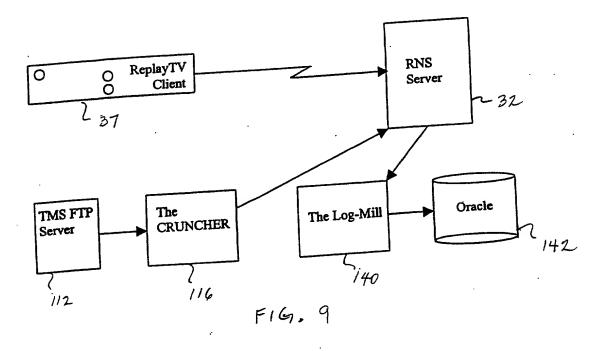
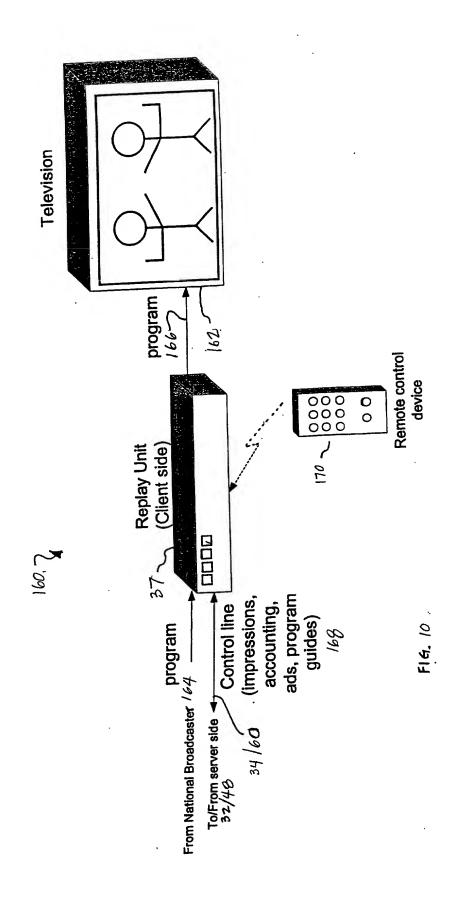


FIG. 8





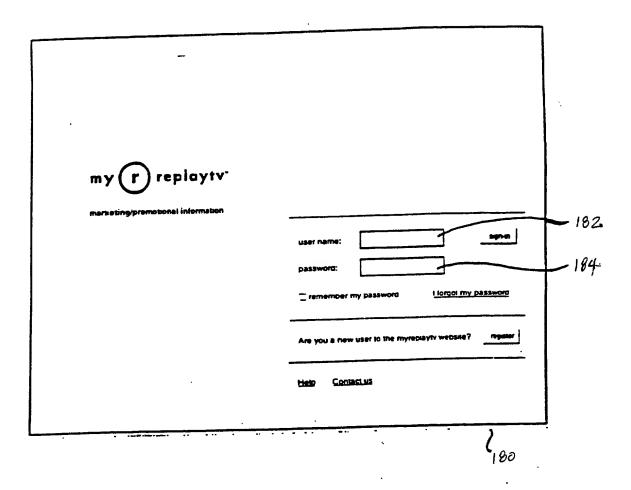
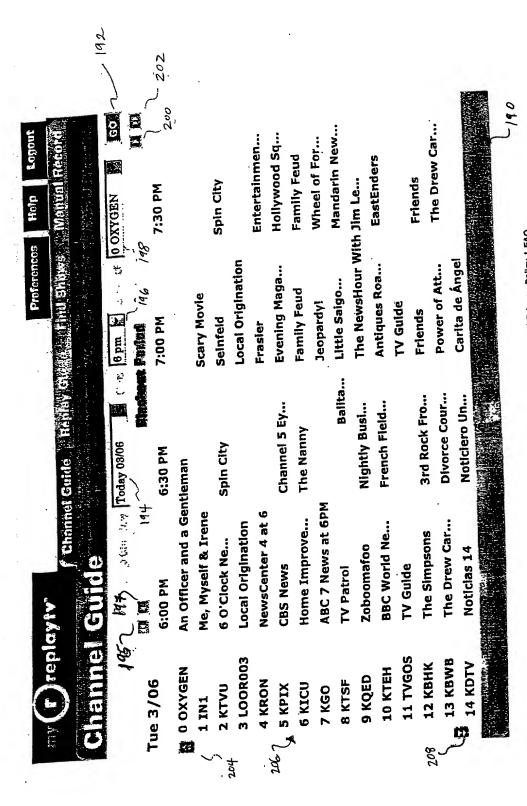


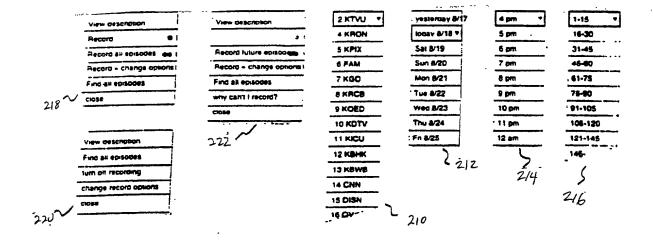
FIG. 11

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FI 4. 12B

Applicants: Chris E. Matichuk and Scott A. Rosenberg Docket No.: 22407-05676US

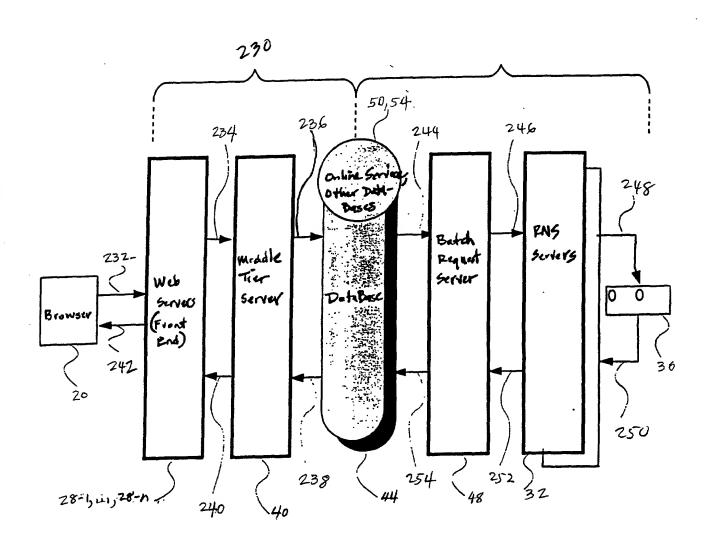


FIG. 13 A

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Docket No.: 22407-05676US

SEQUENCE DIAGRAM

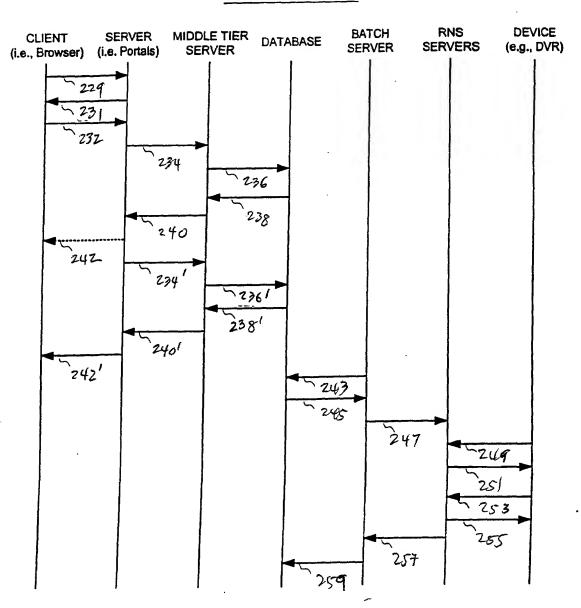
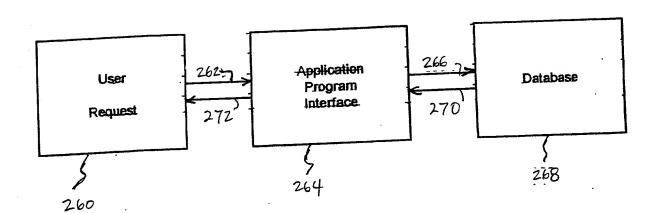


FIG. 13B

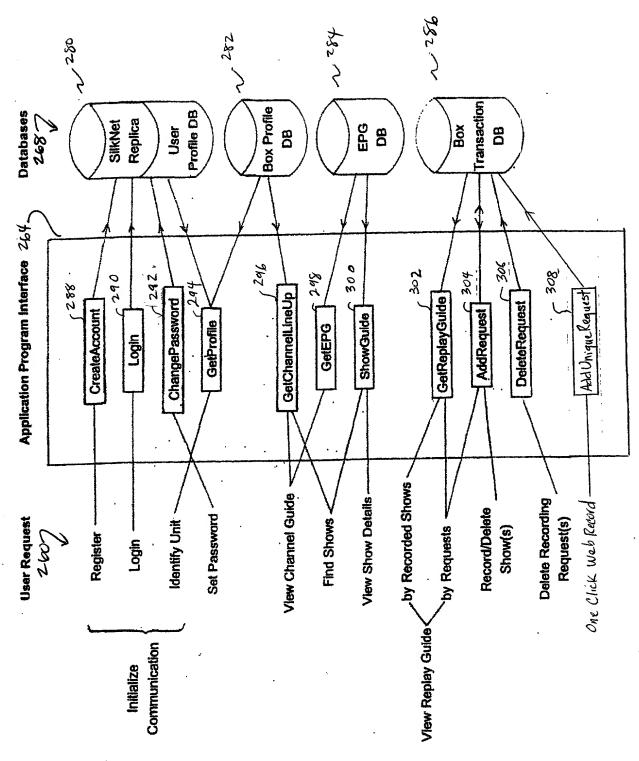
API Routine	Function
CreateAccount	Creates an account for a new user based on the information received
Login	Tries to authenticate a user based on the input username and password combination
GetProfile	Returns the profile of the user and his units based on his userid
AddRequest	Adds a request to the unit's list of pending requests based on a set of request parameters, and returns the full status of the unit and of the pending requests, including those for recording specified show(s) and deleting recorded show(s)
DeleteRequest	Delete a request from the user list of pending requests
GetReplayGuide	Returns the Replay Guide of the unit as saved in the appropriate database for the specified unit
GetChannelLineUp	Returns the channel lineup of the unit based on the unit's settings
ChangePassword	Lets the user changes his password
GetEPG	Returns the current electronic program guide for the unit based on the settings of the unit
ShowGuide	Returns detailed information about a specified show or search show details for particular shows based on criteria given as parameters

API Routine	Input Parameters	Output Files (Corresponding XML elements)
`	; city, state, zipcode,	ACCOUNT.XML REPLAYERROR.XML
Login		ACCOUNT.XML REPLAYERROR.XML
GetProfile	Userid	PROFILE.XML (USERINFO, UNITINFO-I) REPLAYERROR.XML
AddRequest	userid, unitid, reqtype(none, show, theme, update) reqtype=show: showtype(single, repeat, manual single, manual repeat), headendid, tmsid, device, starttimegmt, name, durationinminutes, inputsource, quality, quaranteedrecord,	type(none, show, theme, update) howype(single, repeat, manual single, headendld, tmsid, device, starttimegmt, name, shoutsource, quality, quaranteedrecord,
	numepisodes, weekdayflags, earlystartminutes, showguarminutes reatype=theme; searchterm, searchflags, suzukild, durationinminutes, quality, guaranteedrecord reatype=update; updatetype(deleteshow, preserveshow,	ROOMFAILURE)
DeleteRequest	deletechannel), channelld, showld userid, unitid, requestid	DELETERESULT.XML REPLAYERROR.XML
GetReplayGuide	userid, unitid	GUIDE.XML (REPLAYCHANNEL-I) REPLAYERROR.XML 'Note: REPLAYCHANNEL Type:=(SINGLE, SINGELMANUAL, REPEAT, REPEATMANUAL, THEME, THEMEEXACT, ZONE)
GetChannelLineUp	userid, unitid	CHANNELLINEUP.XML (CHANNEL-1) REPLAYERROR.XML
ChangePassword	userid, currentpassword, newpassword	ACCOUNT.XML REPLAYERROR.XML
GetEPG	userid, unitid, starttimegmt, durationinminutes, startchannel, channelcount	REPLAYERROR.XML
ShowGuide	userid, unitid, query, start, count, levelofdetail *Note: query keywords include actor, advisory, desc, mpaarating, title, etc.	REPLAYERROR.XML



16A FIG.

Title: One Click Web Records Applicants: Chris E. Matichuk and Scott A. Rosenberg



Applicants: Chris E. Matichuk and Scott A. Rosenberg

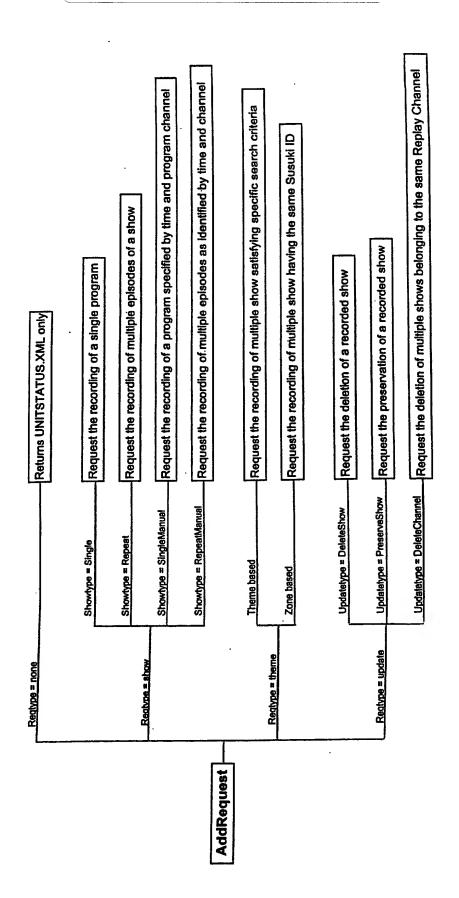


FIG.

Applicants: Chris E. Matichuk and Scott A. Rosenberg

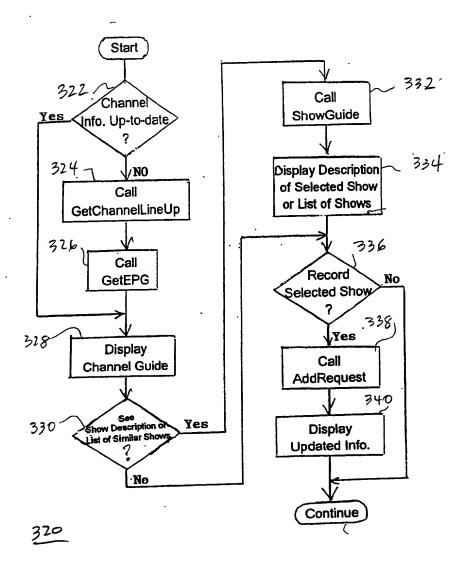


FIG. 18

Applicants: Chris E. Matichuk and Scott A. Rosenberg

Docket No.: 22407-05676US

the day one godge your greeding sait requiring they by the property

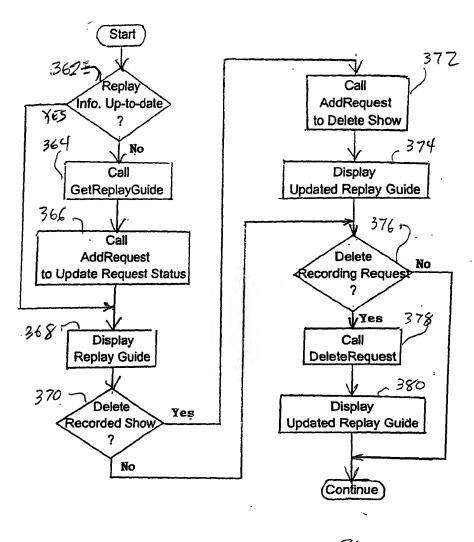
Request 02/18 Date Status occurring every (Sun, Mon, Tue, Wed, Thu, Fri, Sat) on Channel 8(KTSF) at or around 8:00PM - 9:00PM. Guaranteed continuously record the 1 most current fróm Channel 21(TBS) on Sun, 02/18 at Channel 42(USAP) on Tue, 01/16 at or around 9:00PM - 11:30PM, Guaranteed This single record Replay channel was from Channel 49(AMC) on Tue, 01/09 scheduled to record A Fistful of Dollars This single record Replay channel was scheduled to record Blown Away from scheduled to record Captain January This single record Replay channel was at EXTENDED quality. Nothing else is This show-based Replay channel will Nothing else is scheduled to record. Guaranteed at EXTENDED quality. Guaranteed at EXTENDED quality. at or around 3:30AM - 5:00AM. episode(s) of Cantonese News or around 7:00AM - 9:00AM. at EXTENDED quality. scheduled to record. Details T A Fistful of Dollars Cantonese News Captain January □ Blown Away Channel

Nothing else is scheduled to record.

Mostan sirk celle unperidingn sentil to your days of Wunte

Channel	Show Title/	Show Title/Episode	Date/Time	Station	Duration	Sizė
A Fistful of Dollars		A Fistful of Dollars	02/18 7:00AM	21 TBS	(2h)	6.46%
Blown Away	Ľ:	Blown Away	01/16 9:00PM	42 USAP	(2h 30m)	8.07%
Captain January	L	Captain January	01/09 3:30AM	49 AMC	(1h 30m)	4.84%
Firewalker	L	Firewalker	02/27 8:00PM	21 TBS	(2h)	6.46%
On Deadly Ground	. L:	On Deadly Ground	01/07 9:00PM	4 KRON	(2h)	6.46%
Platoon		Platoon	02/048:00PM	37 TNTP	(2h 30m)	8.07%
The Bridge on the River Kwai	Ľ.	The Bridge on the River Kwai	12/24 8:00AM	42 USAP	(3h 30m)	11.30%
The Little Princess		The Little Princess	12/26 4:15AM	49 AMC	(1h 45m)	5,65%
The Trouble With Harry	Ľ	The Trouble With Harry	12/18 1:05PM	49 AMC	(1h 55m)	6.19%
Welcome to ReplayTV	نا	Welcome to ReplayTV	09/08 10:49AM		(15m)	2.42%

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360 FIG. 20

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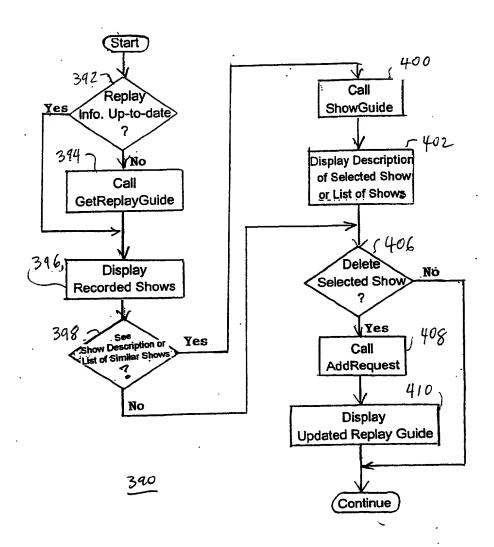


FIG. 21

√ Directors in these categories: ☑ Descriptions Show Titles Enter the word or phrase that you wish to find. Find:

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FIG. 22

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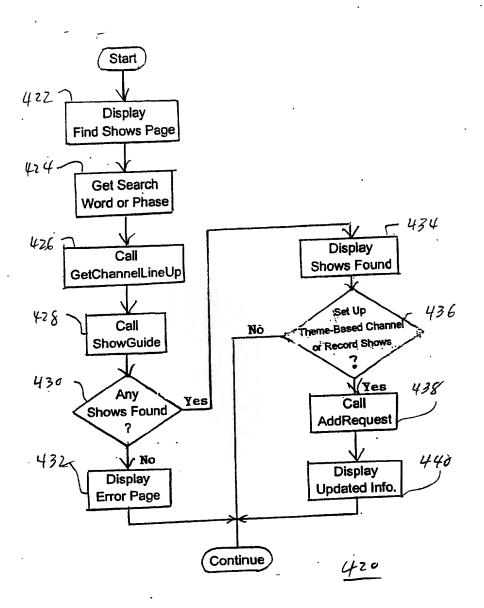


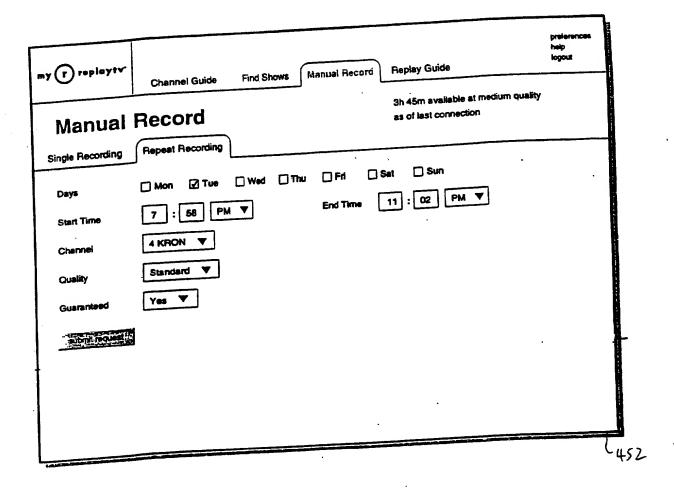
FIG. 23

Recording duration: Extended . 0 OXYGEN Mar M Yes Guaranteed Start Date **Start Time End Time** Channel Quality

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FIG. 24 A

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F1G, 24B

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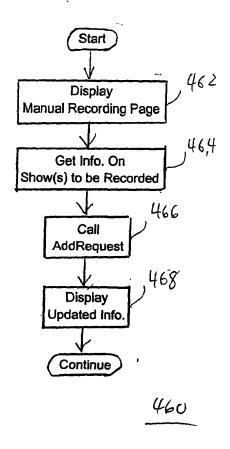


Fig. 25

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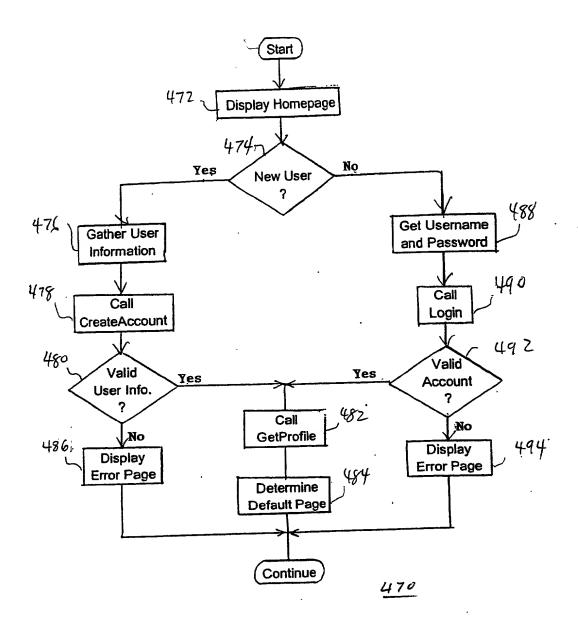
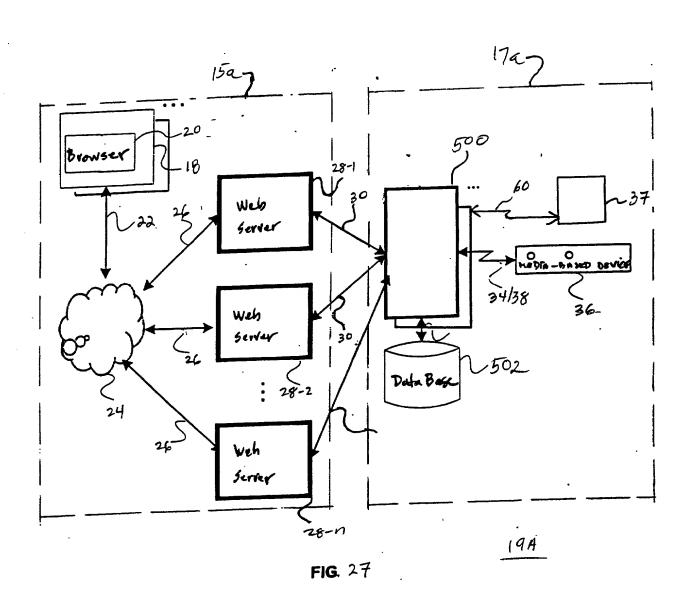
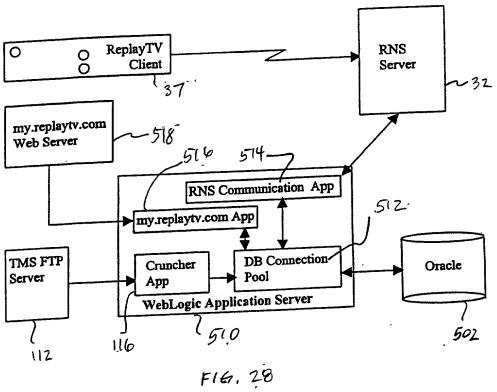


FIG. 26

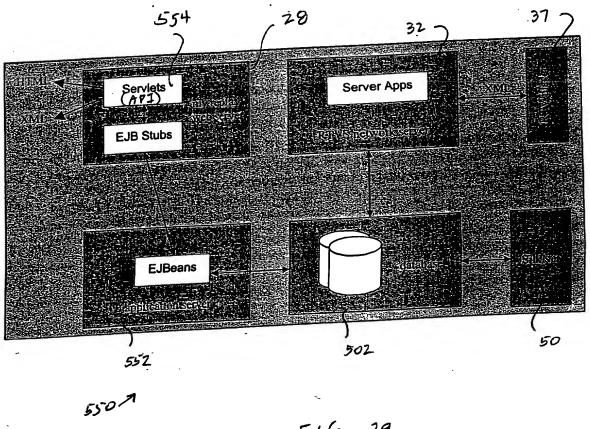
Applicants: Chris E. Matichuk and Scott A. Rosenberg



Applicants: Chris E. Matichuk and Scott A. Rosenberg

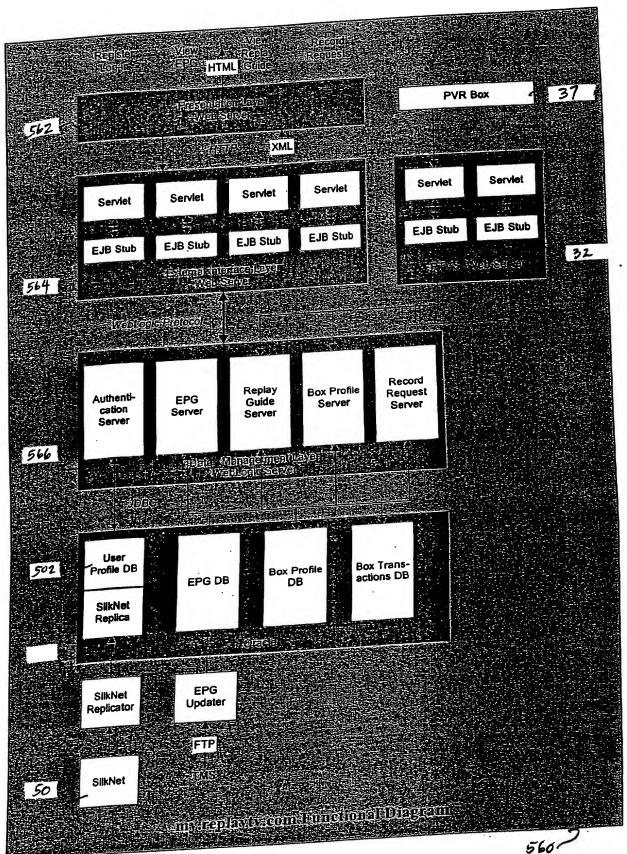


Applicants: Chris E. Matichuk and Scott A. Rosenberg Docket No.: 22407-05676US

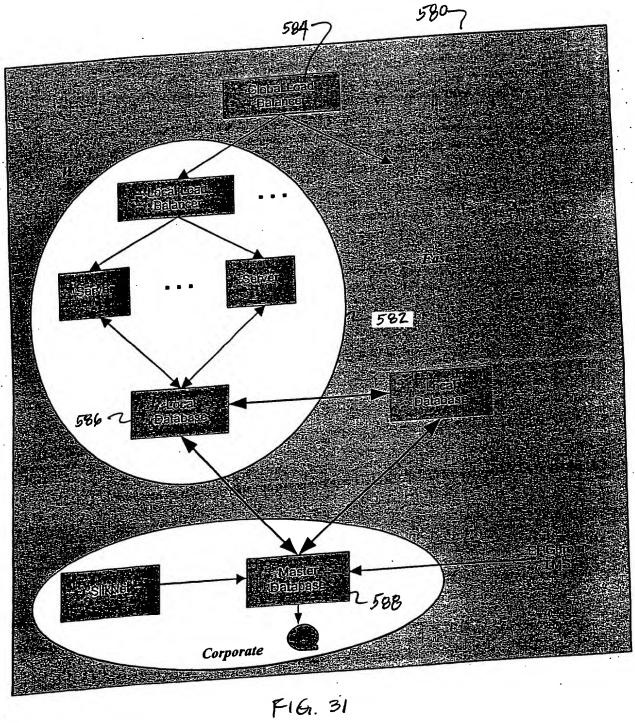


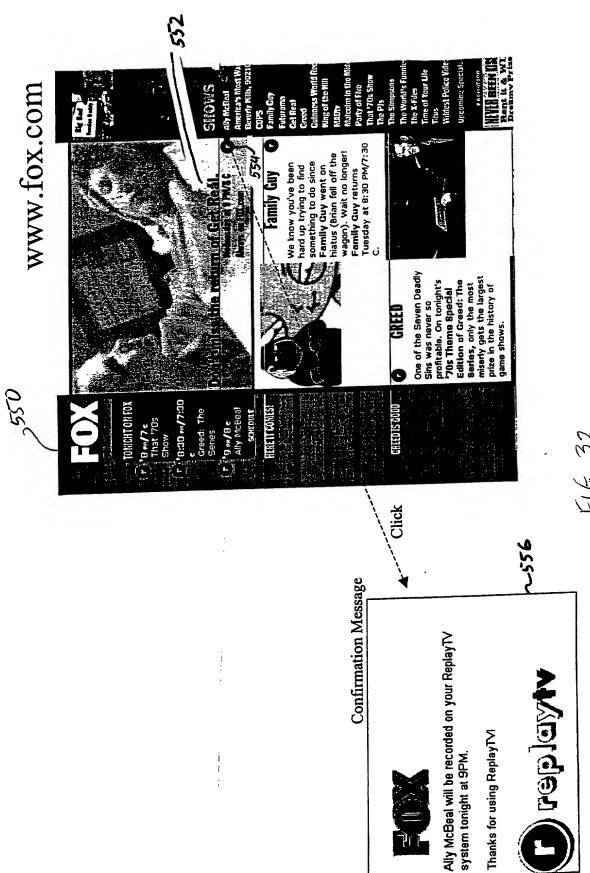
F19.29

Applicants: Chris E. Matichuk and Scott A. Rosenberg



F16, 30





FIE, 32

prompted to enter Replay

pulled down, user

Serial #, email address,

authentication info

upcoming TV

Displayed

262

572727

First time user? Plug-in

Title: One Click Web Records Applicants: Chris E. Matichuk and Scott A. Rosenberg Docket No.: 22407-05676US used to bill ad partner \$\$ \$\$ Transaction noted, by Replay Server, Message received authenticated, put program info with local user's info, message cookie containing Plug-in combines sent to ReplayTV on queue Server \$\$ Transaction used for future promotions, e.g. email about upcoming show\$\$ Nightly connect by record command unit pulls down TV program info to causing embedded ReplayTV plug-in ReplayTV logo User clicks on be passed to r cutte 京 N P Program is recorded 574 Online ad for an

F16.33

560